

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/583,066  
Source: IFWP  
Date Processed by STIC: 6/26/06

# ***ENTERED***



IFWP

## RAW SEQUENCE LISTING

DATE: 06/26/2006

PATENT APPLICATION: US/10/583,066

TIME: 13:29:57

Input Set : A:\korpela MF3.ST25.tr

Output Set: N:\CRF4\06262006\J583066.raw

3 <110> APPLICANT: Korpela, Timo  
 5 <120> TITLE OF INVENTION: Proteins inducing multiple resistance of plants to  
 phytopathogens

6 and pests

8 &lt;130&gt; FILE REFERENCE: Korpela MF3

C--&gt; 10 &lt;140&gt; CURRENT APPLICATION NUMBER: US/10/583,066

C--&gt; 10 &lt;141&gt; CURRENT FILING DATE: 2006-06-15

10 &lt;160&gt; NUMBER OF SEQ ID NOS: 6

12 &lt;170&gt; SOFTWARE: PatentIn version 3.2

14 &lt;210&gt; SEQ ID NO: 1

15 &lt;211&gt; LENGTH: 161

16 &lt;212&gt; TYPE: PRT

17 &lt;213&gt; ORGANISM: Pseudomonas fluorescence strain 197

19 &lt;400&gt; SEQUENCE: 1

21 Met Leu Ile Ala Ala Asn Lys Ala Val Ser Ile Asp Tyr Thr Leu Thr

22 1 5 10 15

25 Asn Asp Ala Gly Glu Val Ile Asp Ser Ser Ala Gly Gly Ala Pro Leu

26 20 25 30

29 Val Tyr Leu Gln Gly Ala Gly Asn Ile Ile Pro Gly Leu Glu Lys Ala

30 35 40 45

33 Leu Glu Gly Lys Ala Val Gly Asp Asp Leu Glu Val Ala Val Glu Pro

34 50 55 60

37 Glu Asp Ala Tyr Gly Glu Tyr Ala Ala Glu Leu Val Ser Thr Leu Ser

38 65 70 75 80

41 Arg Ser Met Phe Glu Gly Val Asp Glu Leu Glu Val Gly Met Gln Phe

42 85 90 95

45 His Ala Ser Ala Pro Asp Gly Gln Met Gln Ile Val Thr Ile Ala Asp

46 100 105 110

49 Leu Asp Gly Asp Asp Val Thr Val Asp Gly Asn His Pro Leu Ala Gly

50 115 120 125

53 Gln Arg Leu Asn Phe Lys Val Lys Ile Val Asp Ile Arg Asp Ala Ser

54 130 135 140

57 Gln Glu Glu Ile Ala His Gly His Val His Gly Glu Gly Gly His His

58 145 150 155 160

61 His

65 &lt;210&gt; SEQ ID NO: 2

66 &lt;211&gt; LENGTH: 486

67 &lt;212&gt; TYPE: DNA

68 &lt;213&gt; ORGANISM: pseudomonas fluorescence strain 197

70 &lt;400&gt; SEQUENCE: 2

71 atgctgatcg ccgccaataa ggctgtctcc atcgactata ccctgaccaa cgacgctggt 60

73 gaggtcatcg acagctccgc cggcggcgct ccgctggttt acctgcaagg tgcaggcaac 120

75 atcatcccg gcttggaata agccctggaa ggcaaaagctg tcggcgacga cttggaagtg 180

77 gccgttgagc cggaagatgc ttacggcgaa tacgccgcg agctgggtcag caccctgagc 240

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Input Set : A:\korpela MF3.ST25.txt

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79 cgcagcatgt tcgaaggcgt tgacgagctg gaagtcggca tgcagttcca tgcttcggcg      300
81 ccggacggcc agatgcagat cgtcaccatt gctgacctgg acggcgacga cgtcaccggt      360
83 gatggcaacc accctctggc cggtcagcgc ctgaacttca aggttaagat cgttgatata      420
85 cgtgacgcca gccaggaaga aatcgctcat ggccacgtcc atggcgaagg tggccatcac      480
87 cactga                                          486
90 <210> SEQ ID NO: 3
91 <211> LENGTH: 57
92 <212> TYPE: PRT
93 <213> ORGANISM: pseudomonas fluorecence strain 197
95 <400> SEQUENCE: 3
97 Gly Ala Pro Leu Val Tyr Leu Gln Gly Ala Gly Asn Ile Ile Pro Gly
98 1          5          10          15
101 Leu Glu Lys Ala Leu Glu Gly Lys Ala Val Gly Asp Asp Leu Glu Val
102          20          25          30
105 Ala Val Glu Pro Glu Asp Ala Tyr Gly Glu Tyr Ala Ala Glu Leu Val
106          35          40          45
109 Ser Thr Leu Ser Arg Ser Met Phe Glu
110          50          55
113 <210> SEQ ID NO: 4
114 <211> LENGTH: 45
115 <212> TYPE: PRT
116 <213> ORGANISM: pseudomonas fluorecence stain 197
118 <400> SEQUENCE: 4
120 Met Gln Ile Val Thr Ile Ala Asp Leu Asp Gly Asp Asp Val Thr Val
121 1          5          10          15
124 Asp Gly Asn His Pro Leu Ala Gly Gln Arg Leu Asn Phe Lys Val Lys
125          20          25          30
128 Ile Val Asp Ile Arg Asp Ala Ser Gln Glu Glu Ile Ala
129          35          40          45
132 <210> SEQ ID NO: 5
133 <211> LENGTH: 25
134 <212> TYPE: DNA
135 <213> ORGANISM: artificial sequence
137 <220> FEATURE:
138 <223> OTHER INFORMATION: primer
140 <400> SEQUENCE: 5
141 ggaattccat atgctgatcg ccgcc                                          25
144 <210> SEQ ID NO: 6
145 <211> LENGTH: 25
146 <212> TYPE: DNA
147 <213> ORGANISM: artificial sequence
149 <220> FEATURE:
150 <223> OTHER INFORMATION: primer
152 <400> SEQUENCE: 6
153 cccaagctta gtggtgatgg ccacc                                          25

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**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/583,066

DATE: 06/26/2006

TIME: 13:29:58

Input Set : A:\korpela MF3.ST25.txt

Output Set: N:\CRF4\06262006\J583066.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date